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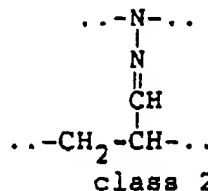
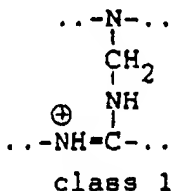
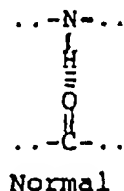
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(54) Polypeptides stabilized by covalent hydrogen bond replacements.

(57) Polypeptides are restricted to particular conformations in solution by replacing one or more hydrogen bonds with covalent hydrogen bond mimics of class 1 or class 2:



The polypeptides thus stabilized are capable of greater biological activity.

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EUROPEAN SEARCH REPORT

Application Number

EP 89 30 3469

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	UCLA SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, new series, vol. 69, PROTEIN STRUCTURE, FOLDING, AND DESIGN, 1987, pages 453-465, Alan R. Liss, Inc., New York, US; T. ARRHENIUS et al.: "The chemical synthesis of structured peptides using covalent hydrogen-bond mimics" * Complete article *	1-5	C 07 K 7/00 C 07 K 7/02 C 07 K 3/08 C 07 K 5/08
X	VACCINE, vol. 6, April 1988, pages 99-103, Butterworth & Co. (Publishers) Ltd; A.C. SATTERTHWAIT et al.: "Conformational restriction of peptidyl immunogens with covalent replacements for the hydrogen bond" * Complete article *	1-5	
A	EP-A-0 127 234 (ENI) * Completely *	1	
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A	EP-A-0 257 742 (ADMIN. TULANE ED. F.) * Completely *	1-5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 07 K
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		24 May 91	RAJIC M.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
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O: non-written disclosure		-----	
P: intermediate document		&: member of the same patent family, corresponding document	
T: theory or principle underlying the invention			